

# DOUBLE MITER BAND SAWS

PARAMETERS  
STEP 5



A technical parameter chart with a yellow background and black text. It includes a table with columns for material type and blade speed, and a graph showing the relationship between material type and blade speed. The chart is titled 'PARAMETERS STEP 5'.

**OPERATOR SAFETY RULES**

- 1. Read and understand the safety instructions before operating the machine.
- 2. Do not operate the machine if you are tired, under the influence of alcohol or drugs, or if you are wearing jewelry or loose clothing.
- 3. Always use the correct cutting technique and keep your hands and feet clear of the blade.
- 4. Do not touch the blade or the workpiece while the machine is running.
- 5. Do not touch the blade or the workpiece until the machine has stopped completely.
- 6. Do not touch the blade or the workpiece until the machine has stopped completely.
- 7. Do not touch the blade or the workpiece until the machine has stopped completely.
- 8. Do not touch the blade or the workpiece until the machine has stopped completely.
- 9. Do not touch the blade or the workpiece until the machine has stopped completely.
- 10. Do not touch the blade or the workpiece until the machine has stopped completely.



# DM-10 DM-10P DM-12/15



## QUICK RELEASE CAST-IRON VISE

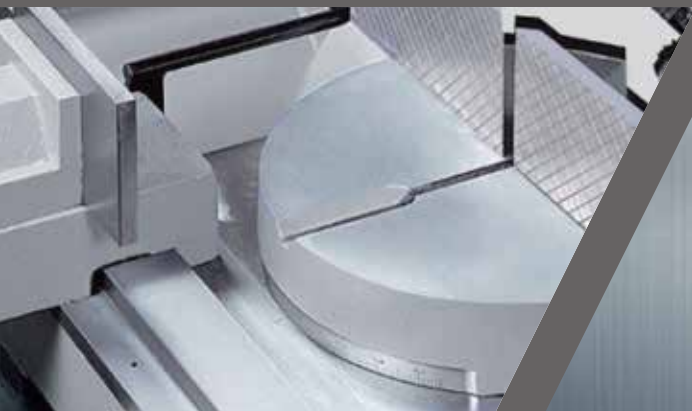
Easily positioned to either left or right side of the head. The vise is operated by means of a rotary handle and also features a “quick and easy” adjustment lever for opening and closing the vise for various sizes and shapes of material to be cut.

## REPLACEABLE BLADE BRUSH

Driven off the blade drive wheel the blade brush keeps the blade gullets clean, helping to maximize blade performance and life.

## ROTATING TABLE WITH CUT LINE

A rotating table with single cut line allows head and blade groove to move together for smooth, accurate mitering.





## OPTIONAL K110 ROLLER TABLE AND R2 WORK STOP

Available on the DM-10 and DM-10P, the K110 5' infeed/outfeed roller table allows for material support and easy feeding of longer work pieces.

The R2 work stop provides accurate length measurement cut after cut.

These versatile saws save operator set-up time and their compact design makes the DM machines ideal for use in tight working spaces.

Cast iron head and vises are designed for rigidity, absorbing vibrations and ensuring accuracy during cutting.

### STANDARD FEATURES

- Manually operated easy swing, cast saw head
- Quick release cast-iron vise with dovetail ways
- Rotating table with cut line
- Band tension indicator
- Manual gravity head feed
- Replaceable blade brush
- Small footprint
- Robust steel base
- Easy to read angle scale
- Adjustable guide arm
- Replaceable carbide guide inserts

- Mechanical blade tensioning
- Safety door interlocks
- Flood coolant
- Work stop
- Storage in saw base (DM-12/15 only)
- Direct variable frequency drive - no belts/pulleys (DM-12/15 only)

### OPTIONAL FEATURES DM-10

- Mist lubrication
- Pneumatic vise with foot pedal
- Single phase (Note: limits user to high blade speed only)
- K110 5' infeed/out feed roller

### OPTIONAL FEATURES DM-10P

- Mist lubrication
- External power transformer
- K110 5' infeed/out feed roller

### OPTIONAL FEATURES DM-12/15

- Mist lubrication
- Idler conveyor



### STANDARD FEATURES:

- 60° Mitering in both directions
- Heavy duty cast iron saw head
- 5.5 HP true direct blade drive - no belts/pulleys
- On-demand hydraulics save energy
- Quick release, hydraulic cast-iron vise on linear ways
- Rotating table with cut line
- Mechanical band tensioning with digital readout
- Gravity head feed
- Automatic hydraulic head lifting in semi-automatic mode
- Swing away, semi-automatic control
- Replaceable blade brush
- Robust steel base
- Easy to read angle scale
- Digital angle display
- Adjustable guide arm
- Replaceable carbide guide inserts
- Safety door interlocks
- Flood coolant
- Laser light
- Variable vise pressure

### OPTIONAL FEATURES

- Mist lubrication
- Work light
- Idler conveyors

# DM-1318P

## CONTROL CONSOLE - DM-1318P

The DM-1318P is also equipped with a digital LCD display which shows machine mode, pieces cut, blade speed, blade tension, amperage draw of blade motor, cut duration, overall machine run time, head position language selection. Hydraulic head height selection using an encoder is controlled from the machine console.

## OPTIONAL MIST LUBRICATION

An alternative to the standard flood coolant system, mist lubrication is an air mist system providing blade lubrication and cooling. No recovery is required as the mist dissipates.

## 5.5 HP TRUE DIRECT BLADE DRIVE

Heavy-duty 2-stage gearbox and motor is controlled by an AC inverter drive. Blade speed is easily adjusted with a wide range of band speeds. Less moving parts compared to belt and pulley drive machines.



Photos may show optional equipment.



# SPECIFICATIONS

		DM-10	DM-10P	DM-12/15	DM-1318P
<b>Rectangular Capacity (h x w)</b>	90°	9 1/2" x 11" / 241 mm x 279 mm	9 1/2" x 11" / 241 mm x 279 mm	10 1/4" x 15" / 260 mm x 381 mm	13" x 17 3/4" / 330 mm x 451 mm
	45° left	6 1/4" x 4 1/2" / 159 mm x 114 mm	6 1/4" x 4 1/2" / 159 mm x 114 mm	7 3/4" x 10 1/4" / 197 mm x 260 mm	11 3/4" x 11 3/4" / 298 mm x 298 mm
	45° right	8 1/4" x 7" / 210 mm x 1728 mm	8 1/4" x 7" / 210 mm x 1728 mm	7 3/4" x 11 1/4" / 197 mm x 286 mm	11 3/4" x 11 3/4" / 298 mm x 298 mm
	30° left	n/a	n/a	n/a	7 3/4" x 7 3/4" / 197 mm x 197 mm
	30° right	5" x 4 1/2" / 127 mm x 114 mm	5" x 4 1/2" / 127 mm x 114 mm	7 3/4" x 6 1/2" / 197 mm x 165 mm	7 3/4" x 7 3/4" / 197 mm x 197 mm
<b>Round Capacity</b>	90°	10" / 254 mm	10" / 254 mm	12" / 304 mm	13" / 330 mm
	45° left	5 3/4" / 146 mm	5 3/4" / 146 mm	10 1/2" / 267 mm	11 3/4" / 298 mm
	45° right	7 1/4" / 184 mm	7 1/4" / 184 mm	11 1/4" / 286 mm	11 3/4" / 298 mm
	30° left	n/a	n/a	n/a	7 3/4" / 197 mm
	30° right	4" / 101 mm	4" / 101 mm	7 3/4" / 197 mm	7 3/4" / 197 mm
<b>Square Capacity</b>	90°	9" / 228 mm	9" / 228 mm	10 1/4" / 260 mm	13" / 330 mm
	45° left	4 1/2" / 114 mm	4 1/2" / 114 mm	9 1/4" / 235 mm	11 3/4" / 298 mm
	45° right	7" / 178 mm	7" / 178 mm	10 1/4" / 260 mm	11 3/4" / 298 mm
	30° left	n/a	n/a	n/a	7 3/4" / 197 mm
	30° right	5" / 127 mm	5" / 127 mm	6 1/2" / 165 mm	7 3/4" / 197 mm
<b>Blade Drive</b>	2/2.4 HP / 1.5/1.8 kW		2/2.4 HP / 1.5/1.8 kW	3 HP VFD / 2.2 kW VFD	5.5 HP VFD / 4 kW VFD
<b>Blade Speed</b>	Two speed 118-236 SFM / 36-72 MPM		Two speed 118-236 SFM / 36-72 MPM	49-377 SFM / 15-115 MPM	65-330 SFM / 20-101 MPM
<b>Blade Size</b>	1" x 9' 8" / 25.4 mm x 2946.4 mm		1" x 9' 8" / 25.4 mm x 2946.4 mm	1" x 12' 4" / 25.4 mm x 3759.2 mm	1 1/4" x 14' 9" / 31.7 mm x 4496 mm
<b>Coolant Tank Capacity</b>	3.5 Gal. / 13 ltr		3.5 Gal. / 13 ltr	16 Gal. / 61 ltr	21 Gal. / 79 ltr
<b>Table Height</b>	34" / 864 mm		34" / 864 mm	34 1/8" / 867 mm	35" / 889 mm
<b>Voltages Available</b>	208, 240, 480, or 575		240, 480 (208, 575 opt. trans.)	240 or 480 (208, 575 opt. trans.)	240, 480 (208, 575 n/c trans.)
<b>Weight</b>	970 lbs. / 440 kg		1065 lbs. / 484 kg	1,740 lbs. / 789 kg	2,515 lbs. / 1141 kg
<b>Dimensions</b>	Width	35.5" / 902 mm	39" / 991 mm	48" / 1219 mm	130" / 3302 mm
	Length	65" / 1651 mm	73" / 1854 mm	88" / 2235 mm	69" / 1752 mm
	Height	68" / 1727 mm	67" / 1701 mm	83" / 2108 mm	89" / 2260 mm

In line with HYDMECH's policy of on-going product improvement, we reserve the right to modify features and specifications.



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Dealer Information:

